

# RODIN Sculpture 2.0

## Technical data sheet

| Property           | Result                               | Testing Protocols |
|--------------------|--------------------------------------|-------------------|
| Tooth Shades       | Available in All Vita Classic Shades | N/A               |
| Density            | 1.78 - 1.82 g/cm <sup>3</sup>        | N/A               |
| Viscosity          | 2000 - 3000 cP                       | N/A               |
| Flexural Strength  | 171 - 184 MPa                        | ISO 10477:2004    |
| Flexural Modulus   | 11700 - 14400 MPa                    | ISO 10477:2004    |
| Fracture Toughness | 2.9 ± 0.5 MPa m <sup>1/2</sup>       | 20795-2: 2013     |
| Work of Fracture   | 818 ± 146 (J/m <sup>2</sup> )        | 20795-2: 2013     |
| Hardness           | ≥ 99 Shore D                         | ASTM D2240        |
| Water Solubility   | < 1 µg/mm <sup>3</sup>               | ISO 4049: 2019    |
| Water Sorption     | < 15 µg/mm <sup>3</sup>              | ISO 4049: 2019    |
| Opacity            | <70% @ 1mm thickness                 | N/A               |
| Radiopacity        | >250                                 | ISO 13116: 2014   |
| Layer Thickness    | 50 -100µm                            | N/A               |
| Wavelength         | 385/405 nanometer                    | N/A               |
| Biocompatibility   | Non-Cytotoxic - Comply               | ISO 10993-1       |
| Biocompatibility   | Non-Mutagenic - Comply               | ISO 10993-1       |
| Biocompatibility   | Sensitivity - Comply                 | ISO 10993-1       |
| Biocompatibility   | Induced Reactions - Comply           | ISO 10993-1       |
| Biocompatibility   | Systemic Toxicity - Comply           | ISO 10993-1       |

**\*\*Post-cured in Otofash for 5000 flashes**